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RECENT HYDROTURBINE, STEAM TURBINE PRODUCTION IN THE USSR

SMALL HYDROTURBINES -- Yerevan, Kommunist, 23 Apr 53

The Yerevan Small Hydroturbines Plant has established series production of hydroturbines ranging in power from 130 to 820 kilowatts, designed to work at pressure heads of from 20 to 60 meters. They are destined mainly for rural electrification centers.

This year, the plant has sent a large number of the new units to interkolkhoz and sovkhoz hydroelectric stations in the Georgian, Azerbaydzhan, Tadzhik, and Kazakh SSRs.

The plant is supplementing its production equipment with first-class machine tools and mechanisms of domestic make.

Yerevan, Kommunist, 28 May 53

Although there are great possibilities for an economy program at the Yerevan Small Hydroturbines Plant, both the management and the party organization fail to exploit them properly. Simple accounting does not exist, and cost accounting is unsatisfactory. For a number of years molding machines have stood idle while work in the foundry has been carried on without them. The indifferent attitude toward improvement of production processes led to an increase of 29 percent over the planned cost of iron castings. -- S. Tumanyan, chief, Industry and Transport Section, Yerevan City Party Committee

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CENTRALIZE SMALL TURBINE DESIGN -- Vil'nyus, Sovetskaya Litva, 16 May 53

The Kaunas "Pergale" Turbine Plant produces turbines to power both industrial machines and generators. Its products may be found in such places as Novo-Kuybyshev, Novo-Ufinsk, Fergana, Tuapse, Groznyy, and Baku. The plant equipment includes a vertical boring mill weighing over 46 tons, a jig borer accurate to 5 microns, and a planer with a bed length of 4 meters.

In the past 2 months, the plant has reduced labor consumption on each OR-300 turbine by 1,200 hours and on each OK-500 turbine by 1,900 hours. In the past year, over 100,000 rubles in production costs have been saved. In the past 9 months, the plant has held the lead in All-Union Socialist Competition, and holds the Transferable Red Banner of the Council of Ministers USSR, as well as the Transferable Red Banner of the Kaunas City party and executive committees.

It has been decided to establish at the plant a main design bureau for small turbines, to aid in effecting unification of turbine parts and to solve other problems of design. -- S. Shmarin, chief engineer, Kaunas "Pergale" Turbine Plant

CUT MAN-HOURS ON TURBINES -- Tbilisi, Zarya Vostoka, 15 May 53

Since 1950, the Leningrad Metal Plant imeni Stalin has reduced by 10,000 the number of man-hours going into the manufacture of each large turbine. Latest improvements in production techniques include the use in the blade shop of a pneumatic, multiple-position device for high-speed milling, and the finishing of bearing bushings by machine grinding.

Leningradskaya Pravda, 16 May 53

The steam turbine shop of the Leningrad Metal Plant imeni Stalin has completed the testing of a 50,000-kilowatt turbine.

By observing a rigid production schedule, machining time on rotor disks was cut to two fifths the time required previously.

Kiev, Pravda Ukrainy, 27 Jun 53

The Leningrad Metal Plant imeni Stalin, working on its first turbines for the Kuybyshevskaya GES project, has completed about 40 patterns for castings, and hundreds of forgings.

The first set of multiple-ton casing structures for the penstock and runner area is ready for shipment.

STATORS FOR KUYBYSHEV TURBINES -- Tashkent, Pravda Vostoka, 27 May 53

The Novo-Kramatorsk Machine-Building Plant imeni Stalin has finished casting the third in a series of huge staters for the turbines of the Kuybyshevskaya GES project.

Designs were completed ahead of plan for an electric bridge crane to be used in installing turbines at the Kuybyshevskaya and Stalingradskaya GES projects.

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SUPPLY BOILER AND TURBINE INDUSTRY -- Moscow, Moskovskaya Pravda, 12 Apr 53

The Venyukovskiy Plant of the Main Administration of the Boiler and Turbine Industry sends over 90 percent of its production to plants manufacturing steam boilers and turbines.

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